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1 1. A method comprising:  
2 detecting a color characteristic;  
3 detecting motion; and  
4 controlling a processor-based system based on the  
5 detection of motion and a color characteristics.

1 2. The method of claim 1 including controlling a  
2 processor-based system based on the detection of flesh  
3 color and the detection of a shape associated with a human  
4 being.

1 3. The method of claim 2 including determining  
2 whether to process image data depending on whether both  
3 motion and flesh are detected.

1 4. The method of claim 2 including capturing a frame  
2 of video at a time, and determining after capturing each  
3 frame whether or not flesh color has been detected.

1 5. The method of claim 4 including removing the  
2 flesh color from the captured video.

1 6. The method of claim 5 including moving an  
2 animation object while capturing video and removing the  
3 detected flesh color from the captured video.

1 7. The method of claim 1 including capturing video  
2 of an animation object in a plurality of different  
3 positions and automatically removing an image of a user's  
4 hand from the captured video.

1 8. An article comprising a medium storing  
2 instructions that enable a processor-based system to:  
3 detect a color characteristic;  
4 detect motion; and  
5 control a processor-based system based on the  
6 detection of motion and the color characteristic.

1 9. The article of claim 8 further storing  
2 instructions that enable the processor-based system to be  
3 controlled based on the detection of flesh color and the  
4 detection of a shape associated with a human being.

1 10. The article of claim 9 further storing  
2 instructions that enable the processor-based system to  
3 determine whether to process image data depending on  
4 whether motion and flesh are detected.

1 11. The article of claim 9 further storing  
2 instructions that enable the processor-based system to  
3 capture a frame of video at a time and determine after  
4 capturing each frame whether flesh color has been detected.

1 12. The article of claim 9 further storing  
2 instructions that enable the processor-based system to  
3 remove the flesh color from the captured video.

1 13. The article of claim 12 further storing  
2 instructions that enable the processor-based system to  
3 capture video of an animation object in a plurality of  
4 different positions and automatically remove an image of a  
5 user's hand from the captured video.

1 14. A system comprising:  
2 a processor;  
3 a storage coupled to said processor storing  
4 instructions that enable the processor to detect motion and  
5 a color characteristic and to control the system based on  
6 the detection of motion and the color characteristic.

1 15. The system of claim 14 wherein said storage  
2 further stores instructions that enable the processor to  
3 detect a shape associated with a human being.

1 16. The system of claim 14 further storing  
2 instructions that enable the processor to determine whether  
3 to process image data depending on whether motion and flesh  
4 color are detected.

1 17. The system of claim 14 including a digital imaging  
2 device coupled to said processor.

1 18. A method comprising:  
2 capturing a video image of a speaker;  
3 receiving audio information from the speaker  
4 through at least one microphone;  
5 determining the user's position; and  
6 based on the user's position, adjusting a  
7 characteristic of the microphone.

1 19. The method of claim 18 including receiving audio  
2 information from a pair of microphones and adjusting the  
3 sensitivity of the microphones based on the relative  
4 positioning of the user with respect to each microphone.

1 20. The method of claim 18 including tracking the  
2 user's facial position in two dimensions and estimating the  
3 user's facial position in a third dimension.

1 21. The method of claim 18 including tracking the  
2 user's facial position in three dimensions.

1 22. The method of claim 18 including using a point of  
2 source filter to adjust the audio information received from

3 the user and providing said adjusted audio information to a  
4 speech recognition engine.

1 23. A system comprising:  
2 a video capture device for capturing an image of a  
3 user;  
4 at least one microphone for capturing speech from  
5 said user;  
6 a device to determine the user's position with  
7 respect to at least two microphones and to adjust the data  
8 from each microphone in response to the user's position  
9 relative to each microphone.

1 24. The system of claim 23 including a pair of video  
2 cameras for capturing an image of said user.

1 25. The system of claim 23 including a two dimensional  
2 face tracker that locates the user's face in two dimension.

1 26. The system of claim 23 including a three  
2 dimensional face tracker that locates the user's face in  
3 three dimensions.

1 27. The system of claim 23 including a point of source  
2 filter to adjust the sensitivity of said microphones.

1 28. A method comprising:  
2 identifying a color;  
3 identifying motion; and  
4 using identified color and motion to implement  
5 background segmentation.

1 29. The method of claim 28 including determining areas  
2 that are moving of a particular color.

1 30. The method of claim 29 including identifying  
2 objects that are connected to moving objects of a particular  
3 color.